BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 1500000.00

Name of Work: Detailed Estimate for the work of Improvements to drain and providing Asphalting to 4th B cross road in ward No-04.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3)	cum							
	Desilting of Existing drains 4th B cross road		2	140.00	0.60	0.40	67.20		
	12th B main road		2	430.00	0.60	0.45	232.20		
							299.40	200.34	59982.00
	Basic Rate	189.00							
	Area Weightage @ 6%	11.34							
	Total	**200.34**							
2	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum							
			Vide Item No. 1				299.40	85.65	25643.00
	Basic Rate for loading and unloading	68.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2.50 X 4	12.80							
		80.80							
	Area Weightage @ 6%	4.85							
	Total	**85.65**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
3	**Cleaning the existing black topped surface** with brooms, soft brushes and finally dusting with old gunny bags and /or compressed air to recieve bituminous treatment including cost of all materials, labour, HOM of machineries complete as per Specifications. (P.No.157 & I.No.21.2)	Sqm							
			1	430.00	6.50		2795.00		
							2795.00	3.18	**8888.00**
	Basic Rate	3.00							
	Area Weightage @ 6%	0.18							
	Total	**3.18**							
4	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)	Cum							
			1	195.00	1.00	0.15	29.25		
	bwssb road cuting		1	235.00	2.00	0.15	70.50		
			1	430.00	1.00	0.15	64.50		
	road cutting portion		10	6.50	0.75	0.15	7.31		
	4th B cross road		2	20.00	1.00	0.15	6.00		
							177.56	1768.08	**313945.00**
	Basic Rate	1668.00							
	Area Weightage @ 6%	100.08							
	Total	**1768.08**							
5	Providing and applying primer coat with ss bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means complete as per specifications. MORTH Specification No.502 (P.No.160/It No.21.6)	cum							
			1	195.00	1.00		195.00		
	bwssb road cuting		1	235.00	2.00		470.00		
			1	430.00	1.00		430.00		
	road cutting portion		10	6.50	0.75		48.75		
	4th B cross road		2	20.00	1.00		40.00		

No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							1183.75	27.56	32624.00
	Basic Rate	26.00							
	Area Weightage @ 6%	1.56							
	Total	**27.56**							
6	KSRRB M500- 15. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II (50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications MORTH Specification No.507 (P.No.162&163 It.No.21.17.6)	Cum							
			1	430.00	6.50	0.050	139.75		
							139.75		
	consider 25% of camber correction						18.50		
							18.50	6435.26	**119052.00**
	Basic Rate	6071.00							
	Area Weightage @ 6%	364.26							
	Total	**6435.26**							
7	KSRRB 500-7:Providing and **applying tack coat with bitumen emulsion** using 80/100 grade bitumen (VG20) on the prepared black toped suface at 2.5kg per 10 sqm, heating bitumen in boiler fitted with spray set (Excluding cleaning of road surface) including cost of all materials, labour, HOM of Machineries complete as per Specifications.(P.No.160 & I.No.21.7)	sqm							
	12th B main road		1	430.00	6.50		2795.00		
	4th B cross road		1	20.00	6.00		120.00		
							2915.00	14.84	**43259.00**
	Basic Rate	14.00							
	Area Weightage @ 6%	0.84							
	Total	**14.84**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
8	KSRRB M500- 15. Providing, laying bituminousConcrete using 40/60 THP capacity H.M.P with Mechanical paver Gr-II (30mm to 45mm), crushed aggregates of specified grading premixed with 6% VG 30 grade bituminous binder and , transporting the hot mix to work site , laying to the required level and grade,rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH Specification clause No.500.9 complete in all respects complete as per specifications MORTH Specification No.509 (P.No.164 Item No.21.22.6)	Cum							
	12th B main road		1	430.00	6.50	0.040	111.80		
	4th B cross road		1	20.00	6.00	0.040	4.80		
							116.60	7270.54	847745.00
	Basic Rate	6859.00							
	Area Weightage @ 6%	411.54							
	Total	7270.54							
9	KSRRB M800-13: Road marking with hot applied thermoplastic compound with reflect rising glass beads on bituminous surface- providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface to level, uniform and free from streaks and holes complete as per specifications. MORTH specification No. 803, No. 1974 (P.No.185 & I.No.24.15)	Sqm							
			2	430.00	0.10		86.00		
							86.00	542.72	46674.00
	Basic Rate	512.00							
	Area Weightage @ 6%	30.72							
	Total	542.72							1465188-
10	Miscellaneous charges								2188.00
								Total	1500000.00

TECHNICALLY SANCTIONED FOR Rs. 15.00 lacs
Rupees Fifteen thousand
-00/-
P.1771 - 2016-17
Under
Registered at CE( ) No.
Subject to conditions contained in
enclosed memo CE( )
Dt.
CE/TC/93/16-17
Dated 16.2.2017 Rs. 15.00 lacs
Executive Engineer

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

14,67,376-

Assistant Executive Engineer

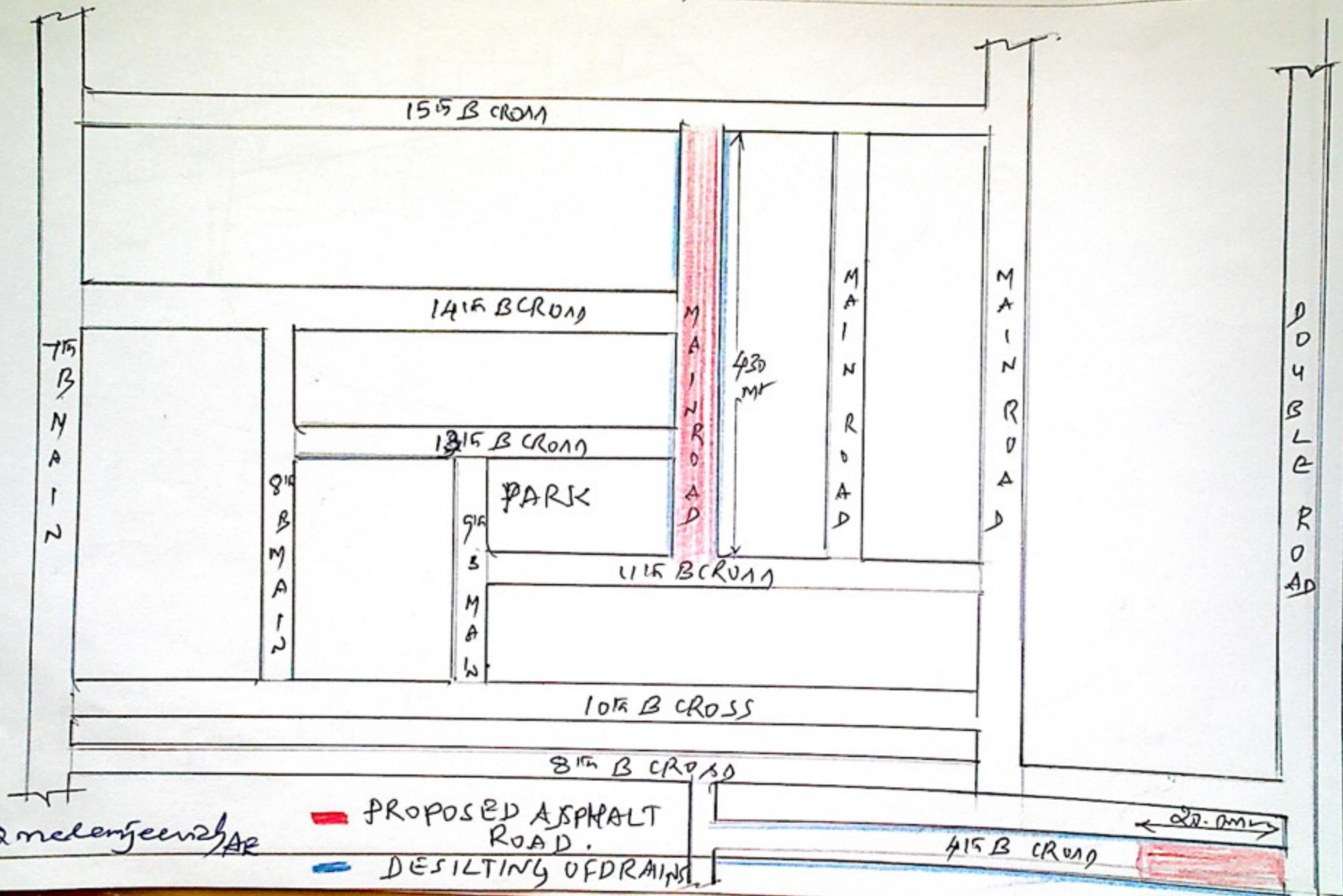
Administrative Approval
Accorded For 15.00 lakhs
Head of A/C P.1771
CER NO :201 Dt:16.02.17

Executive Engineer
Yelahanka Division
Bangalore-64

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

ITA CE (YNK)

Name of work:- IMPROVEMENTS TO DRAIN AND PROVIDING ASPHALTING TO 4TH B CROSS ROAD IN WARD 04



Ramalingeeraj AR

150 - YELAHANKA AC

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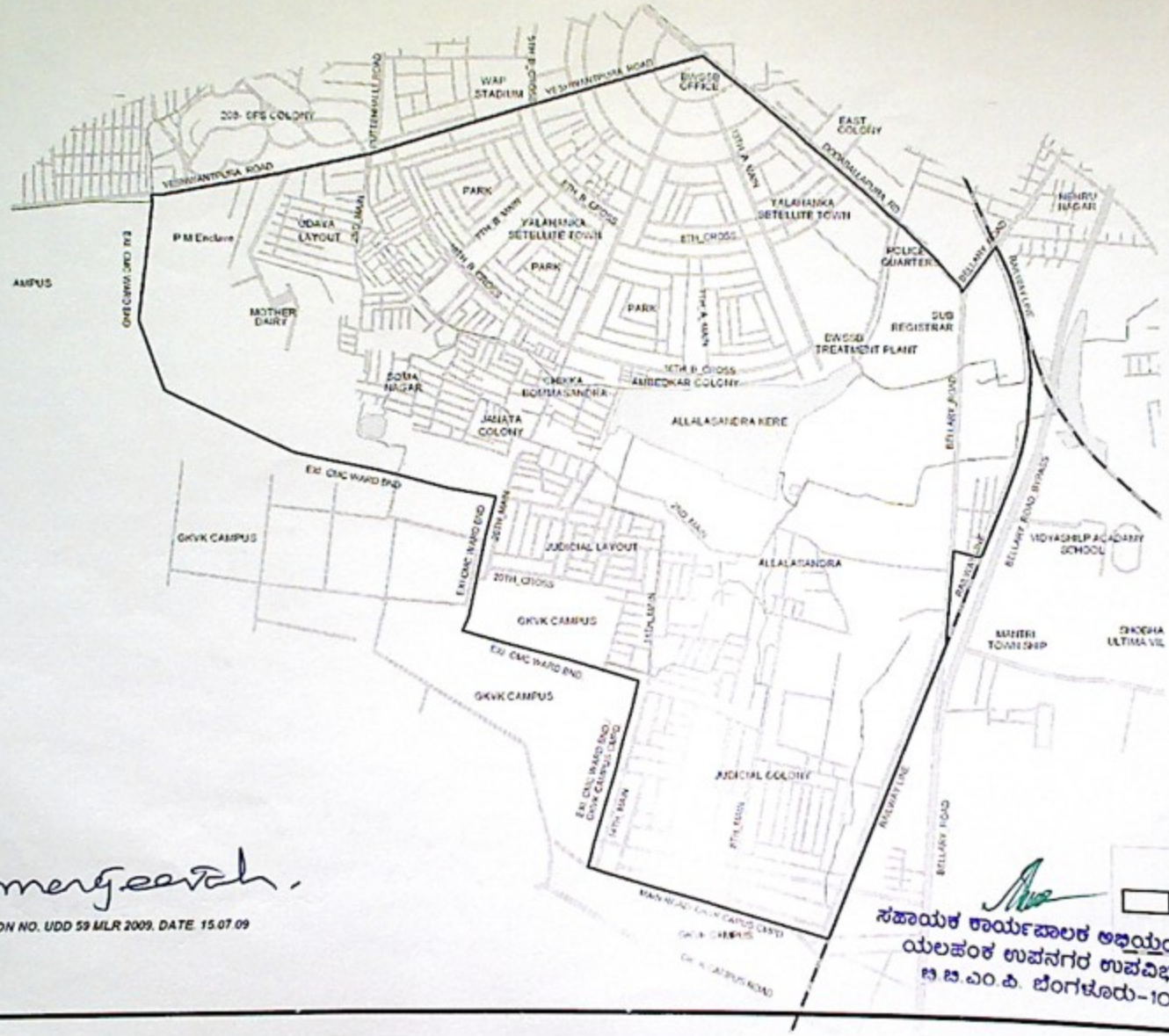
BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 4 - YELHANKA SATELLITE TOWN



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- PROPOSED WARD BOUNDARY
- RIVER/ DRAIN
- RAILWAY LINE
- ROAD

NOTIFICATION NO. UDD 59 MLR 2009, DATE. 15.07.09

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